



## NOAA Restoration Center

### Adobe Creek Fish Ladder

#### Project Description

This phase of the restoration effort focused on the construction of a permanent step-pool fish ladder system to provide passage for steelhead trout and chinook salmon over a 12-foot obstruction, thereby providing the fish with access to additional spawning habitat.

**Project Nickname** Adobe Creek Fish Ladder /NOAA RC-96/NFWF-97  
**Location** Petaluma, Sonoma County, CA, 95954 SWR  
**Program** Community-based Restoration **Congressional District** CA 6  
**Lat, Long Coordinates** -122.583, 38.2545 **Land Ownership** Public  
**Implementation Start Date** 15-AUG-96 **Implementation End Date** 30-OCT-96  
**River Basin** Petaluma River **HUC** 18050002  
**Geographic Identifier** San Francisco Bay **USGS Topo Quad** PETALUMA RIVER  
**Project Status** Implementation Complete **Project Type** Restoration  
**Project Status Description** project completed, very successful still in 2002. Gravel filling in weirs, making project look more "natural"  
**Landmark** Adobe Road, across from Petaluma Adobe State Historic Monument

#### Number of Volunteers

#### Volunteer Hours

**Volunteer Description** United Anglers of Casa Grande

**Proposed Project?** **Project Closed?** Y **FY Completed** 1997

#### Habitat Information

Type	Acres Created	Acres Re-established	Acres Rehabilitated	Acres Enhanced	Acres Protected	Stream Miles	# Plants/Animals
stream/river channel						5	

#### Species Information

Commonname	Genus	Species	Population Name	NMFS Status	Species Type
Salmon, chinook	<i>Oncorhynchus</i>	<i>tshawytscha</i>	California Coastal	Threatened	animal
Trout, steelhead	<i>Oncorhynchus</i>	<i>mykiss</i>	?	?	animal

#### Partners

Bureau of Reclamation
California Department of Fish and Game
Sonoma County Water Agency
Casa Grande High School
California Department of Transportation
National Marine Fisheries Service

#### Restoration Techniques

fish ladder/fishway installation
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#### Contacts

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NOAA

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Local

#### NOAA Involvement

project design
technical assistance/expertise
source of funding

#### Monitoring Information

Characteristic	Type
Hydrodynamics	Structural
Finfish utilization	Functional

#### Additional Info

Took place the first two seasons after construction completed with visual observations of fish passage and hydraulic flow.

***Funding Information***

<b>Funding Mechanism</b>	<b>FY Awarded</b>	<b>NOAA Contribution</b>	<b>Partnership Contribution</b>	<b>Total Partnership Contribution</b>
NOAA Restoration Center	1996	\$10,000	\$0	\$10,000
National Fish and Wildlife Foundation	1997	\$10,000	\$23,740	\$33,740
<b>TOTALS</b>		\$20,000	\$23,740	\$43,740

**Other Non-Federal \$**  **Other Federal \$**  **Total Project Cost**

**Funding Recipient** United Anglers of Casa Grande High School

**Funding Comments**

***Project Abstract***

Anadromous fish runs are declining throughout California, largely as a result of alteration of spawning habitat. As part of NOAA's effort to restore habitat for salmon and steelhead trout, the Restoration Center's Community-Based Restoration Program awarded funding to the Adobe Creek Fish Passage Project in Sonoma County, California. The project involves a partnership with an organization of high school students, the United Anglers of Casa Grande, who have successfully restored and maintained fish runs that had been nearly extirpated from the highly-modified Adobe Creek. This phase of the restoration funded construction of a permanent step-pool fish ladder system to provide passage for steelhead trout and chinook salmon over a 12-foot obstruction, thereby providing the fish with access to additional spawning habitat. The student group continues to maintain the fish ladder and monitor its success as part of their ongoing stewardship of Adobe Creek.